

## **Pesticide Sample Data Summary Package Cover Sheet**

**Client:** Foster Wheeler  
**Project:** Roxanna Marsh  
**SDG:** 920866C

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## Case Narrative

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Client FOSTER WHEELER  
Project Name ROXANNA MARSH  
Project Number 1980.0208.0100  
SDG 920866C  
Fraction PEST/PCB

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920866-053	FW-RM-16-CS-0.7-2.0	3/21/2002	3/22/2002	SOIL
920866-054	FW-RM-16-CS-2.0-3.5	3/21/2002	3/22/2002	SOIL
920866-056	FW-RM-06-CS-0.7-2.3	3/21/2002	3/22/2002	SOIL
920866-057	FW-RM-06-CS-2.8-4.7	3/21/2002	3/22/2002	SOIL
920866-058	FW-RM-11-CS-0.7-2.4	3/21/2002	3/22/2002	SOIL
920866-059	FW-RM-11-CS-2.4-4.2	3/21/2002	3/22/2002	SOIL
920866-061	FW-RM-14-CS-0.7-2.0	3/21/2002	3/22/2002	SOIL
920866-062	FW-RM-14-CS-2.0-3.8	3/21/2002	3/22/2002	SOIL
920866-073	FW-RM-16-CS-0.7-2.0MS	3/21/2002	3/22/2002	SOIL
920866-074	FW-RM-16-CS-0.7-2.0MSD	3/21/2002	3/22/2002	SOIL
920866-075	MB4920866			SOIL
920866-076	MB4920866LCS			SOIL
920866-077	MB4920866LCSD			SOIL

**EN CHEM, INC.**  
**CASE NARRATIVE - PESTICIDE ANALYSIS**

**Lab Report Number (SDG):** 920866C

**Client:** Foster Wheeler

**Project Name:** Roxanna Marsh

**Project Number:** 1980.0208.0100

**1. RECEIPT**

The samples were received on ice.

**2. HOLDING TIMES**

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

**3. METHOD**

**Preparation:** SW-846 3550

**Analysis:** SW-846 8081A

**4. PREPARATION**

Sample preparation proceeded normally.

**5. ANALYSIS**

A. **Calibration:**

- 1. **Initial verification:** All method acceptance criteria were met.
- 2. **Continuing verification:** All method acceptance criteria were met. In the case where a particular compound was not within the 15%D criteria, corrective action was not taken because the average of all compounds was less than 15%.

B. **Blanks:**

- 1. **Method:** All in-house acceptance criteria were met.

C. **Surrogates:** All in-house acceptance criteria were met.

D. **Spikes:**

- 1. **Lab Control Spike / Lab Control Spike Duplicate (LCS/LCSD):** All in-house accuracy and precision criteria were met

- 2. **Matrix Spike / Matrix Spike Duplicate (MS/MSD):** Sample FW-RM-16-CS-0.7-2.0 was designated as the MS/MSD for this SDG. All in-house accuracy and precision criteria were met.

E. **Samples:** Sample analyses proceeded normally.

F. **Dilutions:** None required for this SDG.

G. **Reanalysis:** None required for this SDG.

H. **Comments:** Due to poor resolution between 4,4'-DDE and Endosulfan I on the quantitation column in the laboratory control spike, those compounds are reported from the confirmation column for all samples and quality control samples.

I certify that this data package is in compliance with the terms and conditions agreed to by **En Chem, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Signed: Suzanne Korreck Date: 4/25/02  
Name: Suzanne Korreck Position: Quality Assurance Auditor

**Organic Data Qualifiers**

- B Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
- C Elevated detection limit (see Sample Narrative).
- D Analyte value from diluted analysis, or surrogate result not applicable due to sample dilution.
- E Analyte concentration exceeds calibration range (see Sample Narrative).
- F Surrogate results outside control criteria.
- H(n) Extraction or analysis performed "n" days past holding time.
- J Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
- K Detection limit may be elevated due to the presence of an unrequested analyte.
- N Spiked sample recovery not within control limits.
- P The relative percent difference between the two columns for detected concentrations was greater than 40%.
- Q The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- S The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
- U The analyte was not detected above the reporting limit.
- W Sample received with headspace.
- X See Sample Narrative.
- & Laboratory Control Spike recovery not within control limits.
- \*
- Subcontracted analyses not within control limits.
- SUB1 Assay was subcontracted to an approved lab.
- SUB2 Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.





(Please Print Legibly)  
Company Name: Foster Wheeler

Branch or Location: Denver  
Project Contact: Chris Aliss

Telephone: 303-980-3519  
Project Number: 1960-0203.C/CO

Project Name: Exxon Marsh  
Project State: Indiana  
Sampled By (Print): Bob Filipowski

Data Package Options  
(please circle if requested)

Results Only

EnChem Level III (Subject to Surcharge)  
EnChem Level IV (Subject to Surcharge)

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION DATE	MATRIX	COLLECTION TIME	MATRIX	LAB COMMENTS (Lab Use Only)
920866-013	FW-PM-03-4-8-28	3-9	15-20	5	1	2 /
014	FW-RM-07-5-470	3-9	15-40	5	1	2 /
015	FW-RM-07-C5-26-54	3-9	15-40	5	1	4 Archive
016	FW-LM-07-05-03-26	3-9	15-40	5	1	4 Archive
017	FW-RM-20-CS-03-24	3-20	17-20	5	1	4
018	FW-RM-10-CS-4-052	3-20	15-05	5	1	2 / 4 Archive

## CHAIN OF CUSTODY

78324

Page 2 of 2

P.O. # \_\_\_\_\_

Quote # \_\_\_\_\_

Mail Report To: Part Loss

Company: Foster Wheeler

Address: 606 W. 16th St., Suite 1000

City: Madison, WI 53711

State: WI

Zip: 53711

Country: USA

Phone: 608-232-3300

Fax: 608-233-0502

1241 Bellevue St., Suite 9  
Green Bay, WI 54302  
920-469-2436  
FAX 920-469-6827

**ENV CHEM INC.**

ANALYSES REQUESTED

BOTTLES SENT

TOTAL # 04

DRY

WET

LIQUID

GASES

SOLIDS

AIR

CHARCOAL

BLODGE

SLUDGE

WATER

SOIL

OTHER

H=HCl

C=H2SO4

D=HNO3

E=EGRE

F=METHANOL

G=NaOH

I=Other

Preservation Code#

FILTERED? (YES/NO)

PRESERVATION (CODE#)

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Company Name: Foster Weather

Branch or Location: Dept. W

Project Contact: Pam Hloss

Telephone: 303-982-3519

Project Number: 19821-C203-0100

Project Name: Cexahill Mtns

Project State: Colorado

Sampled By (Print): Beta Field Research

EN CHEM INC.

## CHAIN OF CUSTODY

78325

Page 1 of 1

A=None B=HCl C=H2SO4

D=HN03 E=EnCore

F=MeThanol G=NaOH

H=Sodium Bisulfite Solution

I=Other

FILTERED? (YES/NO)

PRESERVATION (CODE)

Mail Report To: Foster WeatherCompany: FUEN

Address:

Lakeview, CO

Invoice To: Gary BissellCompany: FUEN

C

Address:

Guthill, WA

Mail Invoice To: Guthill, WA

Address:

Lakeview, CO

Mail Invoice To: Lakeview, CO

Address:

Fuens

Mail Invoice To: Fuens





(Please Print Legibly)

Company Name: Einskei - whenever

Branch or Location: Austin

Project Contact: Tom Moss

Telephone: 333-2886 - 3519

Project Number: 1982 Oct 5, 2001

Project Name: EPA/US

Project State: Tennessee

Sampled By (Print): Bob Feldpausch

**EN CHEM INC.**

## CHAIN OF CUSTODY

78317

\*Preservation Codes  
A=None C=H2SO4  
B=HCl D=INOS  
H=Sodium Bisulfate Solution  
I=Other L=Other

Matrix Codes

W=Water

S=Soil

A=Air

C=Charcoal

B=Bio

S=Sludge

FILTERED? (YES/NO)

PRESERVATION (CODE)\*

A I T A

C S N

I C A

C S A

I C A

C S A

I C A

C S A

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(Please Print Legibly)

Company Name: Foster Ulrich, Inc.

Branch or Location: Delavan

Project Contact: Paul Moss

Telephone: 303-980-3579

Project Number: 1980.0208.0102.

Project Name: Roxane Marsh

Project State: Indiana

Sampled By (Print): Bob Feltzsch

**EN CHEM INC.**

## CHAIN OF CUSTODY

78318

A=None      B=HCl      C=H2SO4  
H = Sodium Bisulfate Solution      D=HNO3      E=EnCore  
I= Other

F=Methanol      G=NaOH

FILTERED? (YES/NO)

PRESERVATION (CODE)\*

A A N

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\*Preservation Codes

D=HNO3      E=EnCore

I= Other

G=NaOH

F=Methanol

H = Sodium Bisulfate Solution

C=H2SO4

B=HCl

A=None

W=Water

S=Soil

A=Air

C=Charcoal

B=Biotite

S=Sediment

L=Sludge

MATRIX

COLLECTION

DATE

TIME

REGULATORY PROGRAM

UST

SDWA

NPDES

ERCRA

RCRA

RELEASER'S SIGNATURE

Rush Turnaround Time Requested (TAT) - Prelim  
(Push TAT subject to approval/surcharge)

Date Needed:

Transmit Prelim Rush Results by (circle):

Phone Fax E-Mail

Phone #:

E-Mail Address:

Samples on HOLD are subject to special pricing and release of liability

Reinquired By:

Date/Time:

Received By:

Date/Time:

Reinquired By:

Date/Time:



Batch No. 920866

## En Chem, Inc. Cooler Receipt Log

Project Name or ID Roxanna MarshNo. of Coolers: 7 Temps: 32, 33, 1, 4, 3 °CA. Receipt Phase: Date cooler was opened: 3/22/02By: RJC

- 1: Were samples received on ice? (Must be ≤ 6 C) ..... YES NO<sup>2</sup>  
 2. Was there a Temperature Blank? ..... YES NO  
 3: Were custody seals present and intact? (Record on COC) ..... YES NO  
 4: Are COC documents present? ..... YES NO<sup>2</sup>  
 5: Does this Project require quick turn around analysis? ..... YES NO  
 6: Is there any sub-work? ..... YES NO  
 7: Are there any short hold time tests? ..... YES NO  
 8: Are any samples nearing expiration of hold-time? (Within 2 days) ..... YES<sup>1</sup> NO Contacted by/Who \_\_\_\_\_  
 9: Do any samples need to be Filtered or Preserved in the lab? ..... YES<sup>1</sup> NO Contacted by/Who \_\_\_\_\_

B. Check-in Phase: Date samples were Checked-in: 3/22/02By: RJC

- 1: Were all sample containers listed on the COC received and intact? ..... YES NO<sup>2</sup> broken lids - see NC NA RJC  
 2: Sign the COC as received by En Chem. Completed ..... YES NO  
 3: Do sample labels match the COC? ..... YES NO<sup>2</sup>  
 4: Check sample pH of preserved samples. (Not VOCs) Completed ..... YES NO NA  
 5: Do samples have correct chemical preservation? ..... YES NO<sup>2</sup> NA  
 6: Are dissolved parameters field filtered? ..... YES NO<sup>2</sup> NA  
 7: Are sample volumes adequate for tests requested? ..... YES NO<sup>2</sup>  
 8: Are VOC samples free of bubbles >6mm ..... YES NO<sup>2</sup> NA  
 9: Enter samples into logbook. Completed ..... YES NO  
 10: Place laboratory sample number on all containers and COC. Completed ..... YES NO  
 11: Complete Laboratory Tracking Sheet (LTS). Completed ..... YES NO NA  
 12: Start Nonconformance form. ..... YES NO NA  
 13: Initiate Subcontracting procedure. Completed ..... YES NO NA  
 14: Check laboratory sample number on all containers and COC. ..... YES NO NA

## Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group immediately.
Hexavalent Chromium (24 Hrs)	TSS	2 Complete nonconformance memo.
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-16-CS-0.7-2.0

Collection Date : 3/21/2002

Lab Sample Number : 920866-053

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 46	46	ug/kg		4/12/2002	SW846 8081A
4,4'-DDE	< 46	46	ug/kg		4/12/2002	SW846 8081A
4,4'-DDT	< 46	46	ug/kg		4/12/2002	SW846 8081A
Aldrin	< 23	23	ug/kg		4/12/2002	SW846 8081A
alpha-BHC	< 23	23	ug/kg		4/12/2002	SW846 8081A
alpha-Chlordane	< 230	230	ug/kg		4/12/2002	SW846 8081A
beta-BHC	< 23	23	ug/kg		4/12/2002	SW846 8081A
delta-BHC	< 23	23	ug/kg		4/12/2002	SW846 8081A
Dieldrin	< 46	46	ug/kg		4/12/2002	SW846 8081A
Endosulfan I	< 23	23	ug/kg		4/12/2002	SW846 8081A
Endosulfan II	< 46	46	ug/kg		4/12/2002	SW846 8081A
Endosulfan sulfate	< 46	46	ug/kg		4/12/2002	SW846 8081A
Endrin	< 46	46	ug/kg		4/12/2002	SW846 8081A
Endrin ketone	< 46	46	ug/kg		4/12/2002	SW846 8081A
gamma-BHC (Lindane)	< 23	23	ug/kg		4/12/2002	SW846 8081A
gamma-Chlordane	< 230	230	ug/kg		4/12/2002	SW846 8081A
Heptachlor	< 23	23	ug/kg		4/12/2002	SW846 8081A
Heptachlor epoxide	< 23	23	ug/kg		4/12/2002	SW846 8081A
Methoxychlor	< 230	230	ug/kg		4/12/2002	SW846 8081A
Toxaphene	< 460	460	ug/kg		4/12/2002	SW846 8081A

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-16-CS-2.0-3.5

Collection Date : 3/21/2002

Lab Sample Number : 920866-054

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 33	33	ug/kg		4/12/2002	SW846 8081A
4,4'-DDE	< 33	33	ug/kg		4/12/2002	SW846 8081A
4,4'-DDT	< 33	33	ug/kg		4/12/2002	SW846 8081A
Aldrin	< 16	16	ug/kg		4/12/2002	SW846 8081A
alpha-BHC	< 16	16	ug/kg		4/12/2002	SW846 8081A
alpha-Chlordane	< 160	160	ug/kg		4/12/2002	SW846 8081A
beta-BHC	< 16	16	ug/kg		4/12/2002	SW846 8081A
delta-BHC	< 16	16	ug/kg		4/12/2002	SW846 8081A
Dieldrin	< 33	33	ug/kg		4/12/2002	SW846 8081A
Endosulfan I	< 16	16	ug/kg		4/12/2002	SW846 8081A
Endosulfan II	< 33	33	ug/kg		4/12/2002	SW846 8081A
Endosulfan sulfate	< 33	33	ug/kg		4/12/2002	SW846 8081A
Endrin	< 33	33	ug/kg		4/12/2002	SW846 8081A
Endrin ketone	< 33	33	ug/kg		4/12/2002	SW846 8081A
gamma-BHC (Lindane)	< 16	16	ug/kg		4/12/2002	SW846 8081A
gamma-Chlordane	< 160	160	ug/kg		4/12/2002	SW846 8081A
Heptachlor	< 16	16	ug/kg		4/12/2002	SW846 8081A
Heptachlor epoxide	< 16	16	ug/kg		4/12/2002	SW846 8081A
Methoxychlor	< 160	160	ug/kg		4/12/2002	SW846 8081A
Toxaphene	< 330	330	ug/kg		4/12/2002	SW846 8081A

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-06-CS-0.7-2.3

Collection Date : 3/21/2002

Lab Sample Number : 920866-056

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 31	31	ug/kg		4/13/2002	SW846 8081A
4,4'-DDE	< 31	31	ug/kg		4/13/2002	SW846 8081A
4,4'-DDT	< 31	31	ug/kg		4/13/2002	SW846 8081A
Aldrin	< 16	16	ug/kg		4/13/2002	SW846 8081A
alpha-BHC	< 16	16	ug/kg		4/13/2002	SW846 8081A
alpha-Chlordane	< 160	160	ug/kg		4/13/2002	SW846 8081A
beta-BHC	< 16	16	ug/kg		4/13/2002	SW846 8081A
delta-BHC	< 16	16	ug/kg		4/13/2002	SW846 8081A
Dieldrin	< 31	31	ug/kg		4/13/2002	SW846 8081A
Endosulfan I	< 16	16	ug/kg		4/13/2002	SW846 8081A
Endosulfan II	< 31	31	ug/kg		4/13/2002	SW846 8081A
Endosulfan sulfate	< 31	31	ug/kg		4/13/2002	SW846 8081A
Endrin	< 31	31	ug/kg		4/13/2002	SW846 8081A
Endrin ketone	< 31	31	ug/kg		4/13/2002	SW846 8081A
gamma-BHC (Lindane)	< 16	16	ug/kg		4/13/2002	SW846 8081A
gamma-Chlordane	< 160	160	ug/kg		4/13/2002	SW846 8081A
Heptachlor	< 16	16	ug/kg		4/13/2002	SW846 8081A
Heptachlor epoxide	< 16	16	ug/kg		4/13/2002	SW846 8081A
Methoxychlor	< 160	160	ug/kg		4/13/2002	SW846 8081A
Toxaphene	< 310	310	ug/kg		4/13/2002	SW846 8081A

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-06-CS-2.8-4.7

Collection Date : 3/21/2002

Lab Sample Number : 920866-057

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 24	24	ug/kg		4/13/2002	SW846 8081A
4,4'-DDE	< 24	24	ug/kg		4/13/2002	SW846 8081A
4,4'-DDT	< 24	24	ug/kg		4/13/2002	SW846 8081A
Aldrin	< 12	12	ug/kg		4/13/2002	SW846 8081A
alpha-BHC	< 12	12	ug/kg		4/13/2002	SW846 8081A
alpha-Chlordane	< 120	120	ug/kg		4/13/2002	SW846 8081A
beta-BHC	< 12	12	ug/kg		4/13/2002	SW846 8081A
delta-BHC	< 12	12	ug/kg		4/13/2002	SW846 8081A
Dieldrin	< 24	24	ug/kg		4/13/2002	SW846 8081A
Endosulfan I	< 12	12	ug/kg		4/13/2002	SW846 8081A
Endosulfan II	< 24	24	ug/kg		4/13/2002	SW846 8081A
Endosulfan sulfate	< 24	24	ug/kg		4/13/2002	SW846 8081A
Endrin	< 24	24	ug/kg		4/13/2002	SW846 8081A
Endrin ketone	< 24	24	ug/kg		4/13/2002	SW846 8081A
gamma-BHC (Lindane)	< 12	12	ug/kg		4/13/2002	SW846 8081A
gamma-Chlordane	< 120	120	ug/kg		4/13/2002	SW846 8081A
Heptachlor	< 12	12	ug/kg		4/13/2002	SW846 8081A
Heptachlor epoxide	< 12	12	ug/kg		4/13/2002	SW846 8081A
Methoxychlor	< 120	120	ug/kg		4/13/2002	SW846 8081A
Toxaphene	< 240	240	ug/kg		4/13/2002	SW846 8081A

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-11-CS-0.7-2.4

Collection Date : 3/21/2002

Lab Sample Number : 920866-058

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

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**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 42	42	ug/kg		4/13/2002	SW846 8081A
4,4'-DDE	< 42	42	ug/kg		4/13/2002	SW846 8081A
4,4'-DDT	< 42	42	ug/kg		4/13/2002	SW846 8081A
Aldrin	< 21	21	ug/kg		4/13/2002	SW846 8081A
alpha-BHC	< 21	21	ug/kg		4/13/2002	SW846 8081A
alpha-Chlordane	< 210	210	ug/kg		4/13/2002	SW846 8081A
beta-BHC	< 21	21	ug/kg		4/13/2002	SW846 8081A
delta-BHC	< 21	21	ug/kg		4/13/2002	SW846 8081A
Dieldrin	< 42	42	ug/kg		4/13/2002	SW846 8081A
Endosulfan I	< 21	21	ug/kg		4/13/2002	SW846 8081A
Endosulfan II	< 42	42	ug/kg		4/13/2002	SW846 8081A
Endosulfan sulfate	< 42	42	ug/kg		4/13/2002	SW846 8081A
Endrin	< 42	42	ug/kg		4/13/2002	SW846 8081A
Endrin ketone	< 42	42	ug/kg		4/13/2002	SW846 8081A
gamma-BHC (Lindane)	< 21	21	ug/kg		4/13/2002	SW846 8081A
gamma-Chlordane	< 210	210	ug/kg		4/13/2002	SW846 8081A
Heptachlor	< 21	21	ug/kg		4/13/2002	SW846 8081A
Heptachlor epoxide	< 21	21	ug/kg		4/13/2002	SW846 8081A
Methoxychlor	< 210	210	ug/kg		4/13/2002	SW846 8081A
Toxaphene	< 420	420	ug/kg		4/13/2002	SW846 8081A

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-11-CS-2.4-4.2

Collection Date : 3/21/2002

Lab Sample Number : 920866-059

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 28	28	ug/kg		4/13/2002	SW846 8081A
4,4'-DDE	< 28	28	ug/kg		4/13/2002	SW846 8081A
4,4'-DDT	< 28	28	ug/kg		4/13/2002	SW846 8081A
Aldrin	< 14	14	ug/kg		4/13/2002	SW846 8081A
alpha-BHC	< 14	14	ug/kg		4/13/2002	SW846 8081A
alpha-Chlordane	< 140	140	ug/kg		4/13/2002	SW846 8081A
beta-BHC	< 14	14	ug/kg		4/13/2002	SW846 8081A
delta-BHC	< 14	14	ug/kg		4/13/2002	SW846 8081A
Dieldrin	< 28	28	ug/kg		4/13/2002	SW846 8081A
Endosulfan I	< 14	14	ug/kg		4/13/2002	SW846 8081A
Endosulfan II	< 28	28	ug/kg		4/13/2002	SW846 8081A
Endosulfan sulfate	< 28	28	ug/kg		4/13/2002	SW846 8081A
Endrin	< 28	28	ug/kg		4/13/2002	SW846 8081A
Endrin ketone	< 28	28	ug/kg		4/13/2002	SW846 8081A
gamma-BHC (Lindane)	< 14	14	ug/kg		4/13/2002	SW846 8081A
gamma-Chlordane	< 140	140	ug/kg		4/13/2002	SW846 8081A
Heptachlor	< 14	14	ug/kg		4/13/2002	SW846 8081A
Heptachlor epoxide	< 14	14	ug/kg		4/13/2002	SW846 8081A
Methoxychlor	< 140	140	ug/kg		4/13/2002	SW846 8081A
Toxaphene	< 280	280	ug/kg		4/13/2002	SW846 8081A

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-14-CS-0.7-2.0

Collection Date : 3/21/2002

Matrix Type : SOIL

Lab Sample Number : 920866-061

WI DNR LAB ID : 113172950

Lab Project Number : 920866

**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 49	49	ug/kg		4/13/2002	SW846 8081A
4,4'-DDE	< 49	49	ug/kg		4/13/2002	SW846 8081A
4,4'-DDT	< 49	49	ug/kg		4/13/2002	SW846 8081A
Aldrin	< 25	25	ug/kg		4/13/2002	SW846 8081A
alpha-BHC	< 25	25	ug/kg		4/13/2002	SW846 8081A
alpha-Chlordane	< 250	250	ug/kg		4/13/2002	SW846 8081A
beta-BHC	< 25	25	ug/kg		4/13/2002	SW846 8081A
delta-BHC	< 25	25	ug/kg		4/13/2002	SW846 8081A
Dieldrin	< 49	49	ug/kg		4/13/2002	SW846 8081A
Endosulfan I	< 25	25	ug/kg		4/13/2002	SW846 8081A
Endosulfan II	< 49	49	ug/kg		4/13/2002	SW846 8081A
Endosulfan sulfate	< 49	49	ug/kg		4/13/2002	SW846 8081A
Endrin	< 49	49	ug/kg		4/13/2002	SW846 8081A
Endrin ketone	< 49	49	ug/kg		4/13/2002	SW846 8081A
gamma-BHC (Lindane)	< 25	25	ug/kg		4/13/2002	SW846 8081A
gamma-Chlordane	< 250	250	ug/kg		4/13/2002	SW846 8081A
Heptachlor	< 25	25	ug/kg		4/13/2002	SW846 8081A
Heptachlor epoxide	< 25	25	ug/kg		4/13/2002	SW846 8081A
Methoxychlor	< 250	250	ug/kg		4/13/2002	SW846 8081A
Toxaphene	< 490	490	ug/kg		4/13/2002	SW846 8081A

**- Analytical Report -**

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/25/2002

Field ID : FW-RM-14-CS-2.0-3.8

Collection Date : 3/21/2002

Lab Sample Number : 920866-062

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

**Semivolatile Organic Results**

**SPECIAL PESTICIDE LIST**

Prep Method: SW846 3550

Prep Date: 4/2/2002

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 35	35	ug/kg		4/13/2002	SW846 8081A
4,4'-DDE	< 35	35	ug/kg		4/13/2002	SW846 8081A
4,4'-DDT	< 35	35	ug/kg		4/13/2002	SW846 8081A
Aldrin	< 18	18	ug/kg		4/13/2002	SW846 8081A
alpha-BHC	< 18	18	ug/kg		4/13/2002	SW846 8081A
alpha-Chlordane	< 180	180	ug/kg		4/13/2002	SW846 8081A
beta-BHC	< 18	18	ug/kg		4/13/2002	SW846 8081A
delta-BHC	< 18	18	ug/kg		4/13/2002	SW846 8081A
Dieldrin	< 35	35	ug/kg		4/13/2002	SW846 8081A
Endosulfan I	< 18	18	ug/kg		4/13/2002	SW846 8081A
Endosulfan II	< 35	35	ug/kg		4/13/2002	SW846 8081A
Endosulfan sulfate	< 35	35	ug/kg		4/13/2002	SW846 8081A
Endrin	< 35	35	ug/kg		4/13/2002	SW846 8081A
Endrin ketone	< 35	35	ug/kg		4/13/2002	SW846 8081A
gamma-BHC (Lindane)	< 18	18	ug/kg		4/13/2002	SW846 8081A
gamma-Chlordane	< 180	180	ug/kg		4/13/2002	SW846 8081A
Heptachlor	< 18	18	ug/kg		4/13/2002	SW846 8081A
Heptachlor epoxide	< 18	18	ug/kg		4/13/2002	SW846 8081A
Methoxychlor	< 180	180	ug/kg		4/13/2002	SW846 8081A
Toxaphene	< 350	350	ug/kg		4/13/2002	SW846 8081A